

1FW  
PATENT  
81754.0117

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yoshiharu OGATA

Serial No: 10/805,179

Filed: March 19, 2004

For: Semiconductor Device, Electronic  
Device, Electronic Equipment and  
Manufacturing Method Thereof

Art Unit: 2814

Examiner: Pizarro Crespo, M.D.

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Commissioner for Patents  
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Alexandria, VA 22313-1450, on

June 1, 2005

Date of Deposit

Shingale Ferguson

Name

June 1, 2005

Signature

Date

**TRANSMITTAL OF POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is the following:

- ☒ An executed Power of Attorney (PTO/SB/80)
- ☒ Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- ☒ A copy of the Assignment
- ☒ A copy of the Recordation Form Cover Letter
- ☒ A copy of the Notice of Recordation of Assignment Document

The Commissioner is authorized to charge any underpayment to our Deposit Account No. 50-1314. A copy of this letter is enclosed.

Respectfully submitted,

Date: June 1, 2005

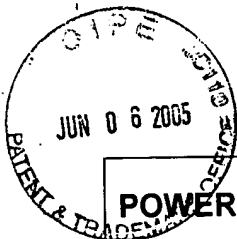
By: 

Lawrence J. McClure

Registration No. 44,228

Attorney for Applicant(s)

HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, California 90071  
Phone: 213-337-6700  
Fax: 213-337-6701



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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

26021

OR



Practitioner(s) named below:

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records of assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

26021

OR



Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

Assignee Name and Address:

Seiko Epson Corporation  
3-5, Owa 3-Chome, Suwa-shi  
Nagano-ken, 392-8502 Japan

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

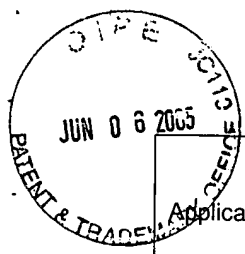
### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>M. Kamiyagaki</i>	Date	April 11, 2005
Name	Masatake KAMIYAGAKI	Telephone	
Title	Director		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Yoshiharu OGATA

Application No./Patent No.: 10/805,179 Filed/Issue Date: March 19, 2004

Entitled: Semiconductor Device, Electronic Device, Electronic Equipment and Manufacturing Method Thereof

SEIKO EPSON CORPORATION, a CORPORATION

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is [PERCENTAGE]%

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel [REEL NUMBER], Frame [FRAME NUMBER], or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

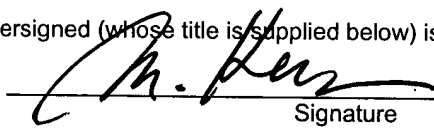
1. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
3. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

February 1, 2005

Date

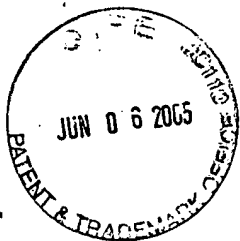
Masataka Kamiyanagi, Director  
Printed or Typed Name

Telephone Number

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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*Salvatore*  
TMS  
8174.0117

# UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 10, 2005

PTAS



\*102789714A\*

HOGAN & HARTSON L.L.P.  
ANTHONY J. ORLER, ESQ.  
500 SOUTH GRAND AVENUE, SUITE 1900  
LOS ANGELES, CALIFORNIA 90071

## UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 07/09/2004

REEL/FRAME: 015544/0861  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OGATA, YOSHIHARU

DOC DATE: 06/17/2004

ASSIGNEE:  
SEIKO EPSON CORPORATION  
4-1, NISHI-SHINJUKU 2-CHOME,  
SHINJUKU-KU  
TOKYO, JAPAN

SERIAL NUMBER: 10805179

FILING DATE: 03/19/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE, ELECTRONIC EQUIPMENT AND  
MANUFACTURING METHOD THEREOF

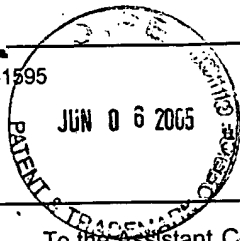
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ASSIGNMENT DIVISION  
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07-13-2004



102789714

R LETTER

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 81754.0117

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiharu OGATA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

SEIKO EPSON CORPORATION  
4-1, Nishi-shinjuku 2-chome,  
Shinjuku-ku, Tokyo, Japan

7.904

3. Nature of conveyance:

☒ Assignment

Execution Date: June 17, 2004

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/805,179

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

2004 JUL -9 AM 7:08  
OPR/FINANCE

5. Name and address of party to whom correspondence concerning document should be mailed:

Anthony J. Orler, Esq.  
HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Dariush G. Adli

Date: July 6, 2004

OMB No. 0651-0011 (exp. 4/94)

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## 譲渡証 (Translation/日本語訳)

下記に署名した私/私達、

尾形 義春 は、

ある発明を創出し、これについて合衆国特許出願は

- ☐ ここに私/私達により署名され、  
☐ \_\_\_\_\_に私/私達により (それぞれ) 署名され、  
☒ 2004年3月19日に出願され、出願番号10/805,179が交付され、  
☐ PCT 国際出願 \_\_\_\_\_として \_\_\_\_\_に出願され、

その発明は

半導体装置、電子デバイス、電子機器および半導体装置の製造方法

という名称である。そして、ここにその受領を認める対価で：私/私達は、当該発明/出願について、合衆国とその属領及び全ての外国に於ける全面的かつ独占的な権利；合衆国とその属領及び全ての外国に於いて発行される特許証に関わる全ての権利、所有権、利益；一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等、合衆国とその属領及び全ての外国に於いて既に出願されたか若しくは今後出願される特許に関わる全ての権利；そして、国際条約、同盟、契約、法令、協定（将来制定されるものを含む）に基づく全ての優先権を伴う一切の権利；を、日本国東京都新宿区西新宿2丁目4番1号に住所を有するセイコーエプソン株式会社、その後継者、譲受人及び法定代理人に対して、売却、譲渡、移転するものとする。

さらに、私/私達は、セイコーエプソン株式会社（以下譲受人と言う）が単数ないしは複数の当該発明（以下当該発明という）に関わる特許権を、自己の名により、合衆国とその属領及び全ての外国に於いて出願し、特許を受けること；またこの譲渡証の意図と目的を誠実に実行することを求められた場合、下記に署名した私/私達が、当該譲受人、その後継者、その被譲渡者、及び法定代理人の費用負担にて、一部継続出願、継続出願、分割出願、差替え出願、再発行出願、特許期間延長等を行い、合法的宣誓書、譲渡証、委任状等の書類を作成し、あらゆる法的または準法的訴訟手続に於いて証言を行うこと；当該発明とその経緯に関連して、下記に署名した私/私達が知り得た全ての事実を、当該譲受人、後継者、被譲渡者、及び法定代理人に連絡すること；そして当該譲受人、後継者、被譲渡者、及び法定代理人が、当該発明の特許権の適切な保護、維持、権利行使するために望ましいと考慮すること、また、当該発明に関わる特許出願に際し、当該譲受人、後継者、被譲渡者、及び法定代理人に対して法的権限を付与することが望ましいと考慮することについて、可能な限り行うことを承諾する。

## Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the undersigned,

Yoshiharu OGATA,

who have created a certain invention for which an application for United States Letters Patent

- ☐ executed by ME/US on even date herewith,  
☐ executed by ME/US on \_\_\_\_\_, (respectively),  
☒ filed on March 19, 2004 and assigned Serial No. 10/805,179,  
☐ filed as International Application No. \_\_\_\_\_ filed on \_\_\_\_\_

and entitled:

SEMICONDUCTOR DEVICE, ELECTRONIC DEVICE, ELECTRONIC EQUIPMENT AND MANUFACTURING METHOD THEREOF

Do hereby sell, assign and transfer to Seiko Epson Corporation, a corporation of Japan, having a place of business at 4-1, Nishi-shinjuku 2-chome, Shinjuku-ku, Tokyo, Japan, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Seiko Epson Corporation, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

そして、私／私達は、この書面により譲渡された権利や財産に影響する、如何なる譲渡、授權、抵当権、ライセンス等その他の協定も他の第三者との間で行っていないこと；下記に署名した私／私達によって、この書面に記載されている権利が所有されていることを、当該譲受人、後継者、被譲渡者、及び法定代理人に対して誓約するものである。

さらに、下記に署名した私／私達はこの譲渡書は英語の部分の表現によってのみ解釈されることに同意する。

上記を証明するため、私／私達は下記日付で署名する。

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I/WE, the undersigned do further agree that this Assignment is to be construed solely according to the terms of the English language portions thereof.

IN TESTIMONY WHEREOF I/WE have hereunto set MY/OUR signature seal on the date indicated below.

唯一または第一発明者名 尾形 義春		Full name of sole or first inventor Yoshiharu OGATA	
発明者の署名 尾形 義春	日付 2004年6月17日	Inventor's signature Yoshiharu Ogata	Date June 17, 2004
第二共同発明者 (いる場合)		Full name of second joint inventor, if any	
第二共同発明者の署名	日付	Second Inventor's signature	Date
第三共同発明者 (いる場合)		Full name of third joint inventor, if any	
第三共同発明者の署名	日付	Third Inventor's signature	Date
第四共同発明者 (いる場合)		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth Inventor's signature	Date
第五共同発明者 (いる場合)		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth Inventor's signature	Date
第六共同発明者 (いる場合)		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth Inventor's signature	Date
第七共同発明者 (いる場合)		Full name of seventh joint inventor, if any	
第七共同発明者の署名	日付	Seventh Inventor's signature	Date
第八共同発明者 (いる場合)		Full name of eighth joint inventor, if any	
第八共同発明者の署名	日付	Eighth Inventor's signature	Date